

## OKD Installation on Bare Metal

**Duration:** 1 Day (8 Hours/day)

**Prerequisites:** Knowledge of Linux and OpenShift or OKD

**Course Objective:** This course aims to provide a thorough understanding of OKD architecture and hands-on experience in installing and configuring an OKD cluster, covering DNS setup, load balancing, installation configuration, and cluster management using OC CLI.

**OKD Version:** Latest

**Lab Requirement:** Koenig-DC

### Module 1 – Understanding OKD Architecture

Understanding OKD

Understanding Basic Machine Requirements for OKD

**Lab:** Understanding Lab Environment

### Module 2 – Installing OKD Cluster

Understanding Basic DNS

**Lab:** Configuring Local DNS

**Lab:** Configuring DNS using bind

Understanding LoadBalancing

**Lab:** Configure LoadBalancer using HAProxy

**Lab:** Downloading oc installation Packages

Understanding Installation Config Basic

**Lab:** Creating and Updating Installation Config

**Lab:** Creating Bootstrap Ignition files

Understanding Bootstrap Node

**Lab:** Bootstrap the Cluster

**Lab:** Access you Cluster with OC CLI and approve certificates

**Lab:** Login in to Cluster